



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/US97/21271 <b>(22) International Filing Date:</b> 26 November 1997 (26.11.97) <b>(30) Priority Data:</b> 08/758,027 27 November 1996 (27.11.96) US <b>(71) Applicant (for all designated States except US):</b> BAYLOR COLLEGE OF MEDICINE [US/US]; Texas Medical Center, One Baylor Plaza, Houston, TX 77030 (US). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> DIDENKO, Vladimir [RU/US]; 1414 Richmond Avenue #2005, Houston, TX 77006 (US). HORNSBY, Peter [-/US]; 5030 Carew Street, Houston, TX 77096 (US). <b>(74) Agents:</b> KOCH, Robert, J. et al.; Fulbright & Jaworski L.L.P., 801 Pennsylvania Avenue, N.W., Washington, DC 20004 (US).	<b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <b>(88) Date of publication of the international search report:</b> 17 September 1998 (17.09.98)	
<b>(54) Title:</b> ASSAY FOR DETECTING APOPTOTIC CELLS  <b>(57) Abstract</b>  The invention relates to the detection of apoptotic cells using a novel assay that employs ligation of DNA fragments <i>in situ</i> to selectively label apoptotic cells. The assay may be used in combination with known <i>in situ</i> methodologies to simultaneously detect apoptotic cells and specific biomolecules present in the apoptotic cell.		

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 97/21271

## A. CLASSIFICATION OF SUBJECT MATTER

C 12 Q 1/68

According to International Patent Classification (IPC) or to both national classification and IPC<sup>6</sup>

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C 12 Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95/28497 A1 (LA JOLLA CANCER RESEARCH FOUNDATION) 26 October 1995 (26.10.95), claim 1.	1, 16, 26, 32, 38, 43, 46, 49, 50
A	EP 0731179 A2 (PETRAROLI) 11 September 1996 (11.09.96), abstract.	1, 16, 26, 32, 38, 43, 46, 49, 50

☐ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

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Date of the actual completion of the international search

01 May 1998

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# ANHANG

zum internationalen Recherchen-  
bericht über die internationale  
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# ANNEX

to the International Search  
Report to the International Patent  
Application No.

# ANNEXE

au rapport de recherche inter-  
national relatif à la demande de brevet  
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PCT/US 97/21271 SAE 182831

In diesem Anhang sind die Mitglieder  
der Patentfamilien der in obenge-  
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angeführten Patentedokumente angegeben.  
Diese Angaben dienen nur zur Unter-  
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This Annex lists the patent family  
members relating to the patent documents  
cited in the above-mentioned inter-  
national search report. The Office is  
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national visée ci-dessus. Les renseigne-  
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In Recherchenbericht angeführtes Patentedokument Patent document cited in search report Document de brevet cité dans le rapport de recherche		Datum der Veröffentlichung Publication date Date de publication	Mitglied(er) der Patentfamilie Patent family member(s) Membre(s) de la famille de brevets	Datum der Veröffentlichung Publication date Date de publication
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